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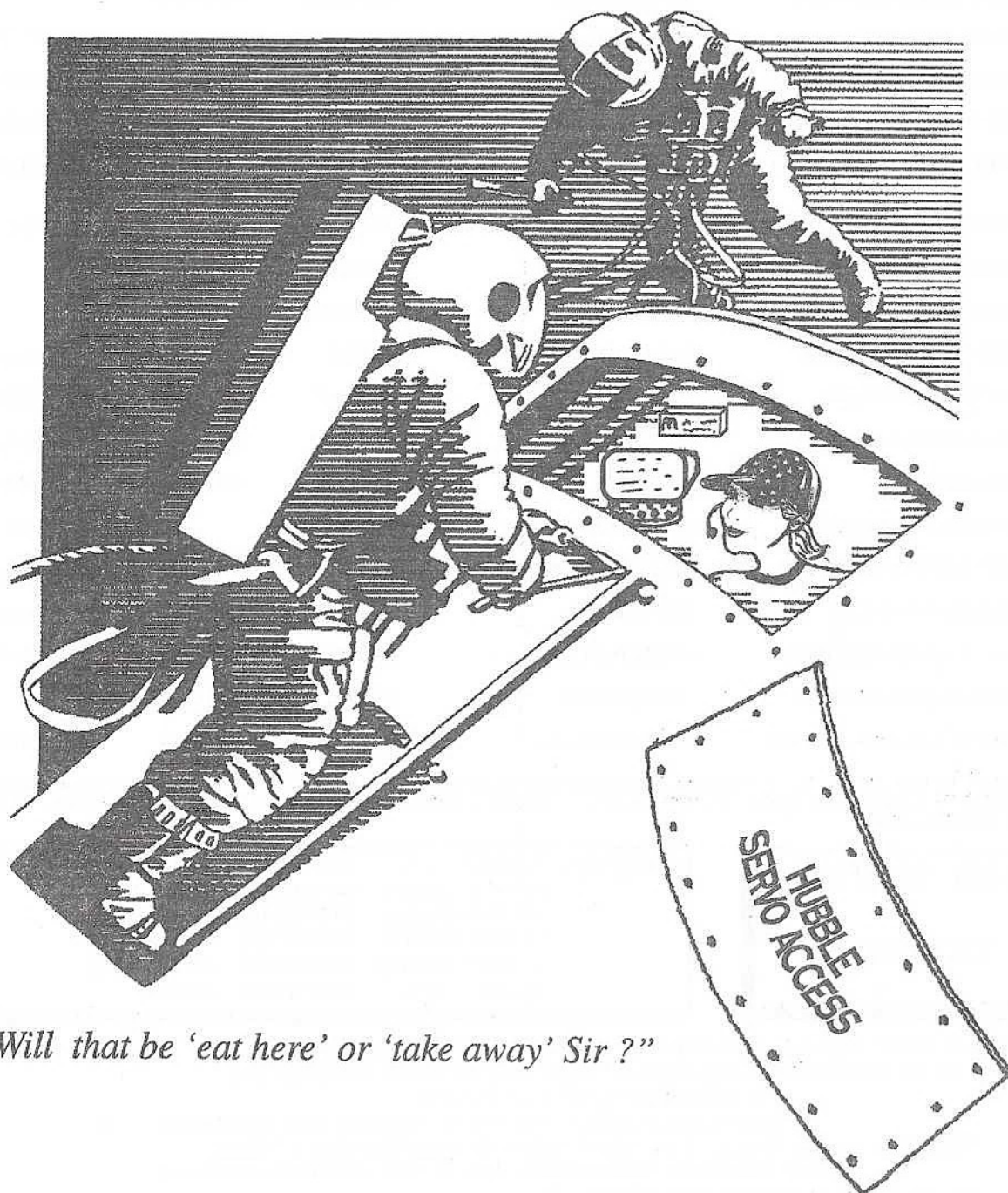
B.A.R.G. News

OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

Volume 20 Issue 4

VK3BML

APRIL 1997



"Will that be 'eat here' or 'take away' Sir?"

97/04 2



BALLARAT AMATEUR RADIO GROUP INC. OFFICE BEARERS - 1996 / 1997



	COMMITTEE (IN BOLD TYPE)			WORK	HOME
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TECH. OFFICER (DIGITAL)	TOM GEORGE	VK3DMK	5332 7234		
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AWARDS MANAGER	RON WATKINS	VK3ZHH	5366 7200		5332 7141
HISTORIAN	RICHARD VOSS	VK3JFL	041 9594944		5332 6048
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PUBLICITY OFFICER	NORM D'ANGRI	VK3LBA			5334 1613
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HAMVENTION CO-ORD.	TOM GEORGE	VK3DMK	5332 7234		
ASST. H'VENTION CO-ORD.	CHRIS KENSELL	SWL	5332 7888		018-508174

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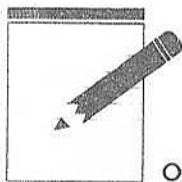
CLUB STATION

VK3 BML

REPEATERS		
VK3RBA (Voice)	146.750 MHz.	- Mt.Buninyong.
VK3RBS (Voice)	146.900 MHz.	- Smeaton Hill
VK 3RPC (Packet)	144.750 MHz.	- Mt.Warrenheip.
VK3RBU (Voice)	438.475 MHz.	- Mt.Hollowback.
VK3RMB (Beacon)	432.535 MHz.	- Mt.Buninyong.
VK3RBV (ATV)	426.250 MHz.	- Ballarat

ACTIVITIES CLUB NET: Thursday nights at 8 pm. (8.30 pm during Daylight Saving). Freq: 3.610 MHz +/- QRM.
 2 METRE SCRAMBLE: Sunday Nights at 7.50 pm. Freq: 146.425 to 146.600 MHz. Inc.
 Call back held on VK3RBA 146.750 MHz.
 Logs monthly to D.Quirk - P.O. Box 78 - Newstead 3462 (or Meeting) to qualify.
MEETINGS: General Meeting : Last Friday of each month (except December) at 8.00 pm.
 Venue: Club Rooms - Ballarat Airport - Unit 31 - Off Learmonth Road - Ballarat.
FOX HUNTING: As arranged during the year.
HAMVENTION : Last weekend in October each year at Ballarat Showgrounds.

PLEASE ADDRESS ALL CORRESPONDENCE to: The Secretary - BARG Inc. Box 1261 Mail Centre Ballarat 3354



The Minutes

of the MARCH General Meeting held on 4th April 1997



MEETING OPENED at 7.50pm - Vice President Mary VK3FMC welcomed one and all and extended best wishes to those unable to attend due to ill health.

APOLOGIES were then accepted on behalf of the following members: VK3 - CIS, PRJ, ZHH, WN, NAY, CFH, CFB, NIZ, SE, LBA & Val, KQQ and N9NAY. Moved CAZ / Sec. PAF.

MINUTES were presented and accepted as circulated in the Newsletter. Moved ADB / Sec. BVI.

CORRESPONDENCE: Magazines - Amateur Radio, DL VHF Magazine.

Newsletters - MDRC, HBARC, SWANRC, Capricornia.

Mail - BCC - Advice re Submission.

QEGC Re Allocation of ATV.

Log for John Moyle

Moved ADB / Sec. DMK

TREASURER'S REPORT: Accounts for payment

Coltmans - Paints	\$24.97
B/Rat Locksmiths - New Key	\$13.00
Newsletter Printing	\$28.35
Newsletter Postage	\$35.70
WIA M/Ship	\$93.75
Mary FMC Coffee/Milk	\$16.40
Doug KAY Rubbish removal	\$ 7.00

Moved AAI/ Sec. DOK

REPORTS: EDUCATION & EXAMS - Positive comments on progress of the course from Tom DMK and Charlie DCS.

NET and SCRAMBLE - Proposal to upgrade format and rename activity "Carter's Backyard" - "Wax Lyrical at Lal Lal" - (Were proposed but not confirmed.)

QSL's - 36 in - 41 out. Cards for DNT, LU, FAQ, CJB, CB, CAZ.

WICEN: Short report from Gordon. - Exercise on 4th. of May. - Registration renewals please.

Vice President Mary then congratulated Gordon FGC on his new appointment as the State Co-Ordinator of WICEN. Well done Gordon.

TECHNICAL: Antenna for RPC installed ! Unbelievable !!!!

Linking - Link box under test. Ballarat /Horsham some concerns.

Hopeful for positive results in May, and have devices up and running. - Yippee!

FACILITIES: Jeff PAP has installed "Sample" shutter - operates fantastically. Further windows to be secured. - Appreciate your efforts Jeff.

Radio room console almost operational, and some new shelves and notice boards installed
Thanks fellas !

WESTERN ZONE: 10 to 16 check-ins to Monday night Net on RWZ.

JOHN MOYLE: WELL DONE !! Logs have been submitted. Thanks to Doug KAY, George DOK, and Mary FMC for their extra effort in organising the event. Great Weekend.

GENERAL BUSINESS: Murray AAI (Treasurer) spoke of the poor interest returns on our account with St. George (0.5%) and presented several options offered by the Commonwealth Bank. (C.B.A. rate - 4.5%.)

MOTION: That current account with St. George Bank be transferred to the Commonwealth Bank (Lydiard St.) and deposited in interest bearing term accounts.

Moved CAZ/ Sec. XDQ.

Meeting unanimously supported motion - 1 dissent. Carried.

MOTION: That the General Meetings Start Time be moved to 8.00pm.

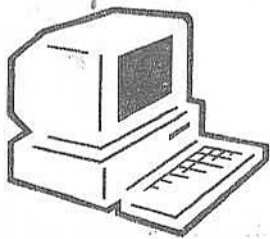
Moved LDC/ Sec DCS Carried.

Proposal: that a secondary club scramble be operated weekly on 10 metres. Suggested after WIA Broadcast !! Maybe 0000z - Freq 28.530 MHz. Each Sunday. AM. Comments ???

MEETING CLOSED: 8.40pm. **NEXT MEETING - May 2nd.**

FINALLY: Never go on a long drive with a kid who has just learnt to whistle !!

Have a great month ! Cheers de Geoffrey ADB.



The Coil Maker

BY ARTHUR SOLOMON - VK3ENT



HISTORY OF THE PROGRAMME:

I wrote this computer programme originally for the Microbee computer back in Nov. 1988 under the callsign of VK3LJ, and it was published in AR in that year. The following year Rob Abel VK3ERA, with my agreement, adapted the programme for the Commodore 64, and AR published his article in September 1989 under the title "The Coil Winding Wisdom of Solomon." Finally, I rewrote the Coilmaker for the IBM in QBASIC and this is the programme I present here.

(NOTE: The programme submitted for publication occupies nearly two pages and, as anyone who has ever retyped or reproduced programmes will know, the exercise is fraught with opportunities to incur very minor errors which may transpose to the onset of insanity, or worse, to the hapless operator who is forced to attempt to seek reasons for the programme's failure to run. For this reason, and so nobody can blame me, the programme is not reproduced in the Newsletter, but copies will be available at the BARG meeting and through the Secretary on request. Ed.)

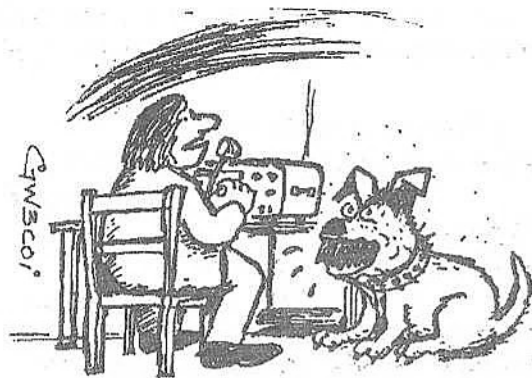
WHAT THE PROGRAMME WILL DO FOR YOU:

The Coil-Maker programme will perform the following operations with respect to single-layer close wound coils:

- ♦ It will calculate the reactance of a coil, given its inductance and the frequency of operation.
- ♦ It will calculate the inductance of a coil, given its reactance and the frequency of operation.
- ♦ It will calculate the inductance of a coil, given the the usual physical parameters (diameter of coil, number of turns T.P.I. etc..)
- ♦ It will calculate the number of turns for a required inductance, given the coil diameter and the turns per inch of the gauge of wire being used (from wire tables).
- ♦ It will calculate from the number of turns used and coil diameter, the length of wire required for the coil both in inches and in metres.

Now you can enter this programme yourself or you can send me a stamped, self addressed envelope containing a formatted diskette (3.5 in or 5.25 in.) and I will copy the programme on it for you and return it to you. You will find it a very useful programme. Its one disadvantage is that to use it you must run it under QBASIC. If you wait a while, I hope , in the near future, to rewrite Coil-Maker Turbo-Pascal and produce it as an .EXE file so that it can be run directly from Dos.

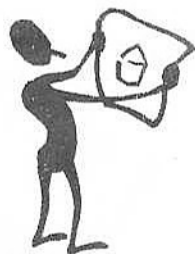
73 de Arthur - VK3ENT.



"... Actually we seem to get few TVI complaints. ..."



"... Cheerio and see you further down the loch. ..."



WORD SEARCH

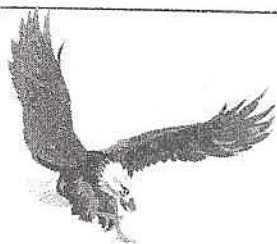
97/04



C R S W Q Z L V U N U Z U H R
X I E H O R G E E H R E N U T
O N R G U A M D R C E F U Z F
J N Q C U N W O P L C R T F H
R C Y M U L T I M E T E R U N
Y K I A F I A D K U I Q I E J
D X C N C O T T E Q F U M X X
V I E A O H X B O S I E M Z M
O S P L B M A H O R E N E Z V
J A I O P D R N U A R C R H Q
C T S G L M E A N N R Y E W Y
O Q G U N E I E H E T D X W V
X L L E B A X S F K L B I D A
M X K S F Z L W K S N Z M Q O

RADIO ROUNDUP

ANALOGUE	MULTIMETER
CAPACITOR	QSO
CHANNEL	RECTIFIER
CIRCUIT	REGULATOR
CIRCUITBOARD	SHUNT
DIODE	SIGNAL
DIPOLE	SIMPLEX
FEEDBACK	SQUELCH
FOXHUNT	TRIMMER
FREQUENCY	TUNER
HARMONIC	ZENER
MIXER	



DON'T FORGET TO SWOOP ONTO THE BARGAINS
MAY MEETING - May 30th.
JUNK AUCTION NIGHT

ONCE UPON A TIME

BALLARAT & DISTRICT RADIO SOCIETY December 1953.

Our September meeting was an organised "shack visit". After the business part of the meeting had been completed all of the members were taken on a tour of various shacks, including that of Bill VK3AMH, Bert VK3VA, and Eric VK3ZL, where the boys were able to see the gear in action and everyone voted it a very enjoyable evening.

The October meeting included a very interesting lecture by Brian Stares, of the RAAF, on the "Theory and Construction of Antennae and Feeder Systems." The technique used on designing and constructing uhf antennae and beams being very able and clearly explained. Brian produced a beautiful set of graphs to illustrate the different points of his lecture and helped clear up any doubts regarding antennae impedances in respect to height and such like problems. His actual working models of uhf multi element beams were extremely well constructed and were studied very closely.

The Ballarat & District Radio Society now has the Call Sign VK3AMQ allotted, and within a few weeks should be active under the supervision of Keith VK3IV.

**HAVE YOU ANY SUITABLE ITEMS
FOR THIS COLUMN ???**

How about sending them in ?

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Tom VK3DMK with Keiko JJ3GNR - Hyogo Japan
on a visit to Ballarat with her friend.
September 1992

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LISTENING AROUND



Ron VK3ZHH tells us where we will
need to look to monitor future
CFA FIRE TRAFFIC.

As most members may be aware, the CFA will be changing frequencies during this year. Amateurs and SWL's with a scanner or VHF radio with extended receive capabilities may already listen to fire traffic on 163.810 MHZ, which is the frequency currently in use in the Ballarat area.

To comply with SMA requirements, the CFA are required to change frequencies, the date of the change in the Ballarat area is dependent on many factors including, the installation of new mobiles, base stations, pagers etc. However, the change will occur during 1997.

The new frequencies are listed below, complete with CTCSS code if you wish to program this in as well.

FREQUENCY	CTCSS	COMMENT
-----------	-------	---------

Region 15 Ballarat.

161.0250 MHZ	167.9 Hz	This is the main operational channel.
161.1625 MHZ	167.9 Hz	Goto 1 or secondary channel.
161.2000 MHZ	167.9 Hz	Goto 2 or secondary channel.

Region 16 Ararat.

163.240 MHZ		Current channel.
161.0750 MHZ	173.8 Hz	New operational channel.

Region 6 Colac.

163.300 MHZ		Current channel.
161.1875 MHZ	114.8 Hz	New operational channel.

In addition to the frequencies above, it is now possible to monitor regions surrounding Melbourne and Geelong. These regions are using a voting system, and will be part of the Intergraph system at a later date.

Region 14 Melton.

163.2000 MHZ	167.9 Hz
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Region 7 Geelong.

162.8375 MHZ	162.2 Hz
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Happy listening, please contact me if you need further details.

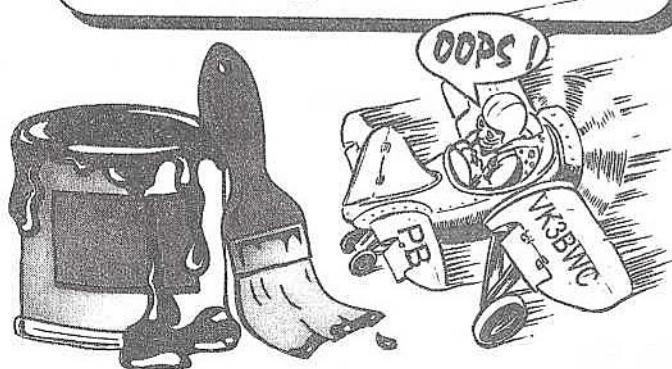
RonVK3ZHH

Conroy's 3D Paint City

see Paul Bruty - VK3BWC

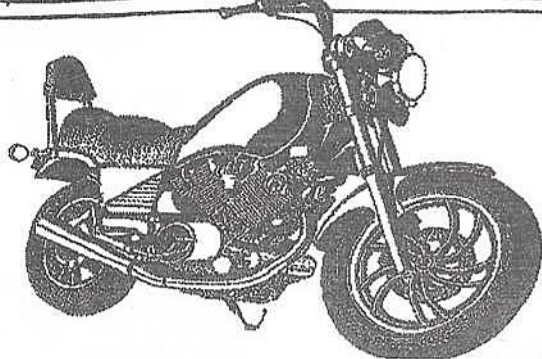
104 Skipton Street Ballarat
Phone - 5331-1680

*The Paint Specialists
who will assist you
with all of your
Painting Problems*

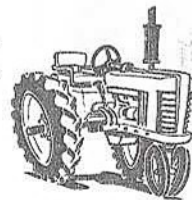


B.A.R.G. is indebted to Conroy's for their help with the supply of paint for the Airport Clubrooms. You may like to support them when you next "slap on a bit of paint".

WANTED TO BUY
Electrophone
CB Side Band Transceiver
Richard VK3JFL - 5332 6048



Hewitt & Whitty



CORNER CARNGHAM RD. AND WILTSHIRE LANE

QUALITY CASTROL PRODUCTS



GLASS & CHROME CLEANER
500 ml spray

CARECLEAN PLUS Hand Cleaner
100 gm. Tubes

**WINDSCREEN WASHER
CONCENTRATE**
500 ml.

ENGINE DEGREASER
400 gm. Aerosol and 1 ltr. Tins.

DWF for TIGHT NUTS.

73 Bell VK3PH



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KENWOOD UNIDEN**

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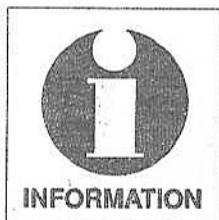
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a7/05 8



COMING EVENTS.

- May 2nd.** General Meeting (deferred from April -Anzac Day)
- May 3rd.** F.A.M.P.A.R.C. White Elephant Sale - Frankston.
- May 4th.** WICEN - MAJOR EXERCISE - REGISTER ASAP.
- May 10th.** Moorabin Hamfest - Brentwood Sec. College. Glen Waverley.
- May 21st.** Committee Meeting.
- May 30th.** General Meeting - Junk Auction.
- Monday Nights** - Construction Nights.
- Sunday Nights.** 2M Scramble - 7.50pm. 146.425 to 146.600 MHz.
- Thursday Nights-** Club Net - 3.610 MHz. - 8pm (8.30pm in Daylight Saving)
- Thursday Nights** - School at Clubrooms.
- 4th. Wednesday each month** -WICEN Training nights.

This edition of BARG NEWS was produced by



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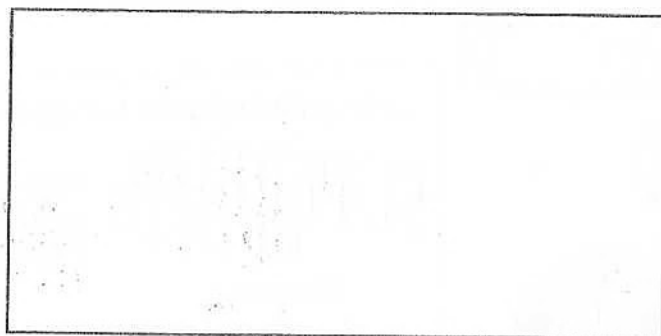
B.A.R.G.

The Ballarat Amateur Radio Group Inc.

A group of radio enthusiasts licensed to experiment with local and international radio communications on an amateur basis.

NEW MEMBERS ALWAYS WELCOME.

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B.A.R.G.
NEWS

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